

[bar code]

19 FEDERAL REPUBLIC 12
OF GERMANY
[emblem]

Patent Application

Laid Open to Public Inspection B 01 D 53/94

10 **DE 101 28 414 A 1**

51 Int. Cl.⁷:

C 01 B 3/00
F 01 N 3/08

GERMAN
PATENT OFFICE AND
TRADEMARK OFFICE

21 File number: 101 28 414.4
22 Filing date: June 12, 2001
43 Laid open date: December 19, 2002

DE 101 28 414 A 1

71 Applicant:
DaimlerChrysler AG, 70567 Stuttgart, Germany

72 Inventors:
Duvinage, Frank, Dr.-Ing., 73230 Kirchheim, Germany;
Goerigk, Christian, Dipl.-Ing (FH), 70736 Fellbach, Germany;
Nolte, Arno, Dipl.-Ing., 70374 Stuttgart, Germany;
Paule, Markus, Dipl.-Ing., 73630 Remshalden, Germany;
Sander, Henning, Dipl.-Ing., 71634 Ludwigsburg, Germany

The following information has been taken from the documents filed by the applicant

54 Exhaust emission control system with reducing-agent supply

57 An exhaust emission control system for cleaning the exhaust of a preferably lean-burn internal combustion engine, particularly a diesel engine used in motor vehicles, has an exhaust line in which a particle filter and an SCR catalyst are arranged in series in flow direction and a reducing-agent supply for adding ammonia to the exhaust of the internal combustion engine on the input side of the SCR catalyst. According to the invention, the exhaust emission control system has a hydrogen-producing unit for enriching the exhaust of the internal combustion engine with the hydrogen produced by this unit.
Application in motor vehicles.

DE 101 28 414 A 1